

16. The sun protection product as claimed in claim 15, wherein the water-insoluble linear polyglucan has a degree of branching of at most 2% in the other positions.
17. The sun protection product as claimed in claim 15, wherein the microparticles have an average diameter of from 1 nm to 100  $\mu\text{m}$ .
18. The sun protection product as claimed in claim 15, wherein the depth of irregularities on the surface of the microparticles is at most 20% of the average diameter of the microparticles.
19. The sun protection product as claimed in claim 15, wherein the microparticles are present in the sun protection product in an amount of from 05.% to 70% by weight, based on the total weight of the sun protection product.
20. The sun protection product as claimed in claim 15, wherein the water-insoluble linear polyglucan is selected from the group consisting of poly-1,4- $\alpha$ -D-glucan, poly-1,3- $\beta$ -D-glucan, and a mixture thereof.
21. The sun protection product as claimed in claim 15, wherein the water-insoluble linear polyglucan is produced by a biotechnological method.
22. The sun protection product as claimed in claim 15, wherein the water-insoluble linear polyglucan is produced biocatalytically.
23. The sun protection product as claimed in claim 15, wherein the microparticles further comprise branched polysaccharides and further polymers.
24. The sun protection product as claimed in claim 15, wherein the microparticles comprise at least 70% water-insoluble linear polyglucan based on the total content of polyglucan in the microparticles.

25. The sun protection product as claims in claim 15, wherein the microparticles comprise 100% of the at least one water-insoluble linear polyglucan.
26. The sun protection product as claimed in claim 15, wherein the microparticles are dispersed in the sun protection product and have a dispersity in the range of from 1.0 to 10.0.
27. A method of making a sun protection product comprising preparing spherical microparticles comprising at least one water-insoluble polyglucan having a degree of branching of less than 0.5% in the 6-position.
28. The method as claimed in claim 27, wherein the microparticles have an average diameter of from 1 nm to 100  $\mu$ m.
29. The method as claimed in claim 27, wherein the microparticles microparticles are dispersed in the sun protection product and have a dispersity in the range of from 1.0 to 10.0.
30. The method as claimed in claim 27, wherein the water-insoluble linear polyglucan is selected from the group consisting of poly-1,4- $\alpha$ -D-glucan, poly-1,3- $\beta$ -D-glucan, or a mixture thereof.
31. A method of sun protection comprising applying a sun protection product which comprises spherical microparticles wherein the spherical microparticles comprise at least one water-insoluble linear polyglucan having a degree of branching of less than 0.5% in the 6-position.
32. The method as claimed in claim 31, wherein the microparticles have an average diameter of from 1 nm to 100  $\mu$ m.
33. The method as claimed in claim 31, wherein the microparticles are dispersed in the sun protection product and have a dispersity in the range of from 1.0 to 10.0.

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**PATENT**

34. The method as claimed in claim 31, wherein the water-insoluble linear polyglucan is selected from the group consisting of poly-1,4- $\alpha$ -D-glucan, poly-1,3- $\beta$ -D-glucan, or a mixture thereof.--

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**IN THE ABSTRACT**

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